



PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

IN THE APPLICATION OF:

MARGUERITE A. CERVIN ET. AL.

CASE NO.: CL2180USNA

APPLICATION NO.: 10/680286

CONFIRMATION NO.: 5853

GROUP ART UNIT: 1652

EXAMINER:

FILED: October 06, 2003

FOR: PROCESS FOR THE BIOLOGICAL PRODUCTION OF 1,3-PROPANEDIOL WITH
HIGH YIELD

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

In compliance with 37 C.F.R. §§1.97 and 1.98, Applicants bring to the attention of the U.S. Patent and Trademark Office the information listed on the enclosed PTO/SB/08A and/or PTO/SB/08B forms. A copy of the information, if required, is also enclosed. Consideration of the information is requested under 37 C.F.R. § 1.56 and this information is submitted in accord with the provisions of §1.97(c): after the period specified in §1.97(b) but before the mailing of a Notice of Allowance, or any other action that closes prosecution.

The PTO is authorized to charge the fee set forth in 37 C.F.R. §1.17(p) to Deposit Account No. 04-1928 (E. I. du Pont de Nemours and Company) in order to complete the requirements for consideration of this Information Disclosure Statement.

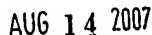
Respectfully submitted,

Neil Feltham, Reg No. 36,506 for
Christine L. Lhulier
Attorney for Applicants
Registration No.: 54,269
Telephone: 302-992-5463
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08/15/2007 HVUONG1 00000007 041928 10680286

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Dated: August 10, 2007



Approved for use through 09/30/2007. OMB 0651-0031

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet	1	of	9
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Complete if Known

Application Number	10/680,286
Filing Date	OCTOBER 6, 2003
First Named Inventor	MARQUERITE CERVIN
Art Unit	1652
Examiner Name	I.H. CHOWDHURY
Attorney Docket Number	CL2180 US NA

U. S. PATENT DOCUMENTS

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		Examiner Name	I.H. CHOWDHURY
Sheet 2	of 9	Attorney Docket Number CL2180 US NA	

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		NCBI, General Identification No. 15802948, Perna, N.T. et al., Genome sequence of enterohemorrhagic Escherichia coli 0157:H7 Nature 409 (6819), 529-533 (2001).	
		NCBI, General Identification No. 16130341, Riley, M. et al., Escherichia coli K-12: a cooperatively developed annotation snapshot--2005, Nucleic Acids Res. 34(1), 1-9 (2006).	
		NCBI, General Identification No. 26248792, Welch R.A. et al., Proc. Natl. Acad. Scii. U.S.A. 99 (26), 17020-17024 (2002) Extensive mosaic structure revealed by the	
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		NCBI, General Identification No. 16130342, Riley, M. et al., Nucleic Acids Res. 34(1), 1-9 (2006), Escherichia coli K-12: a cooperatively developed annotation snapshot--2005.	
		NCBI, General Identification No. 26248793, Welch R.A. et al., Proc. Natl. Acad. Scii. U.S.A. 99 (26), 17020-17024 (2002), Extensive mosaic structure revealed by the	
		NCBI, General Identification No. 15832542, Hayashi, T. et al., DNA Res. 8(1), 11-22 (2001), Complete genome sequence of enterohemorrhagic Escherichia coli	
		NCBI, General Identification No. 15802950, Perna, N.T. et al., Genome sequence of enterohemorrhagic Escherichia coli 0157:H7 Nature 409 (6819), 529-533 (2001).	
		NCBI, General Identification No. 6130343, Riley, M. et al., Nucleic Acids Res. 34(1), 1-9 (2006), Escherichia coli K-12: a cooperatively developed annotation snapshot--2005.	

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		NCBI, General Identification No. 26248794, Welch R.A. et al., Proc. Natl. Acad. Scii. U.S.A. 99 (26), 17020-17024 (2002) Extensive mosaic structure revealed by the	
		NCBI, General Identification No.15802930, Perna, N.T. et al., Genome sequence of enterohemorrhagic Escherichia coli 0157:H7 Nature 409 (6819), 529-533 (2001).	
		NCBI, General Identification No. 16130320, Riley, M. et al., Nucleic Acids Res. 34(1), 1-9 (2006), Escherichia coli K-12: a cooperatively developed annotation snapshot--2005.	
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		NCBI, General Identification No. 15803482, Perna, N.T. et al., Genome sequence of enterohemorrhagic Escherichia coli 0157:H7 Nature 409 (6819), 529-533 (2001).	
		NCBI, General Identification No. 16130844, Riley, M. et al., Nucleic Acids Res. 34(1), 1-9 (2006), Escherichia coli K-12: a cooperatively developed annotation snapshot--2005.	
		NCBI, General Identification No. 26249364, Welch R.A. et al., Proc. Natl. Acad. Scii. U.S.A. 99 (26), 17020-17024 (2002) Extensive mosaic structure revealed by the	
		NCBI, General Identification No. 15833073, Hayashi, T. et al., DNA Res. 8(1), 11-22 (2001), Complete genome sequence of enterohemorrhagic Escherichia coli	
		NCBI, General Identification No. 15802193, Perna, N.T. et al., Genome sequence of enterohemorrhagic Escherichia coli 0157:H7 Nature 409 (6819), 529-533 (2001).	

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Sheet 4

of

9

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		NCBI, General Identification No. 16129733, Riley, M. et al., Escherichia coli K-12: a cooperatively developed annotation snapshot-2005, Nucleic Acids Res. 34(1), 1-9 (2006).	
		NCBI, General Identification No. 26248038, Welch R.A. et al., Proc. Natl. Acad. Scii. U.S.A. 99 (26), 17020-17024 (2002) Extensive mosaic structure revealed by the	
		NCBI, General Identification No. 15831742, Hayashi, T. et al., DNA Res. 8(1), 11-22 (2001), Complete genome sequence of enterohemorrhagic Escherichia coli	
		NCBI, General Identification No. 15804972, Perna, N.T. et al., Genome sequence of enterohemorrhagic Escherichia coli 0157:H7 Nature 409 (6819), 529-533 (2001)	
		NCBI, General Identification No. 16132218, Riley, M. et al., Escherichia coli K-12: a cooperatively developed annotation snapshot-2005, Nucleic Acids Res. 34(1), 1-9 (2006).	
		NCBI, General Identification No. 26251294, Welch R.A. et al., Proc. Natl. Acad. Scii. U.S.A. 99 (26), 17020-17024 (2002) Extensive mosaic structure revealed by the	
		NCBI, General Identification No. 15834613, Hayashi, T. et al., DNA Res. 8(1), 11-22 (2001), Complete genome sequence of enterohemorrhagic Escherichia coli	
		NCBI, General Identification No. 15804552, Perna, N.T. et al., Genome sequence of enterohemorrhagic Escherichia coli 0157:H7 Nature 409 (6819), 529-533 (2001) .	
		NCBI, General Identification No. 16131794, Riley, M. et al., Escherichia coli K-12: a cooperatively developed annotation snapshot-2005, Nucleic Acids Res. 34(1), 1-9 (2006)	
		NCBI, General Identification No. 26250729, Welch R.A. et al., Proc. Natl. Acad. Scii. U.S.A. 99 (26), 17020-17024 (2002) Extensive mosaic structure revealed by the	

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Sheet	5	of	9	Attorney Docket Number	CL2180 US NA

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		NCBI, General Identification No. 15834139, Hayashi, T. et al., DNA Res. 8(1), 11-22 (2001), Complete genome sequence of enterohemorrhagic Escherichia coli	
		NCBI, General Identification No. 15801909, Perna, N.T. et al., Genome sequence of enterohemorrhagic Escherichia coli 0157:H7 Nature 409 (6819), 529-533 (2001).	
		NCBI, General Identification No. 16129231, Riley, M. et al., Escherichia coli K-12: a cooperatively developed annotation snapshot--2005, Nucleic Acids Res. 34(1), 1-9 (2006).	
		NCBI, General Identification No. 26247599, Welch R.A. et al., Proc. Natl. Acad. Scii. U.S.A. 99 (26), 17020-17024 (2002) Extensive mosaic structure revealed by the	
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		NCBI, General Identification No. 5803555, Perna, N.T. et al., Genome sequence of enterohemorrhagic Escherichia coli 0157:H7 Nature 409 (6819), 529-533 (2001).	
		NCBI, General Identification No. 16130909, Riley, M. et al., Escherichia coli K-12: a cooperatively developed annotation snapshot--2005, Nucleic Acids Res. 34(1), 1-9 (2006).	
		NCBI, General Identification No. 26249576, Welch R.A. et al., Proc. Natl. Acad. Scii. U.S.A. 99 (26), 17020-17024 (2002) Extensive mosaic structure revealed by the	
		NCBI, General Identification No. 15833149, Hayashi, T. et al., DNA Res. 8(1), 11-22 (2001), Complete genome sequence of enterohemorrhagic Escherichia coli ...	
		NCBI, General Identification No. 15800822, Perna, N.T. et al., Genome sequence of enterohemorrhagic Escherichia coli 0157:H7 Nature 409 (6819), 529-533 (2001).	

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		NCBI, General Identification No. 90111195, Riley, M. et al., Escherichia coli K-12: a cooperatively developed annotation snapshot--2005, Nucleic Acids Res. 34(1), 1-9 (2006).	
		NCBI, General Identification No. 26246985, Welch R.A. et al., Proc. Natl. Acad. Sci. U.S.A. 99 (26), 17020-17024 (2002) Extensive mosaic structure revealed by the	
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		NCBI, General Identification No. 16130231, Riley, M. et al., Escherichia coli K-12: a cooperatively developed annotation snapshot--2005, Nucleic Acids Res. 34(1), 1-9 (2006).	
		NCBI, General Identification No. 26248684, Welch R.A. et al., Proc. Natl. Acad. Sci. U.S.A. 99 (26), 17020-17024 (2002) Extensive mosaic structure revealed by the complete.	
		NCBI, General Identification No. 15833249, Hayashi, T. et al., DNA Res. 8(1), 11-22 (2001), Complete genome sequence of enterohemorrhagic Escherichia coli	
		NCBI, General Identification No. 15802844, Perna, N.T. et al., Genome sequence of enterohemorrhagic Escherichia coli 0157:H7 Nature 409 (6819), 529-533 (2001).	
		NCBI, General Identification No. 16130232, Riley, M. et al., Escherichia coli K-12: a cooperatively developed annotation snapshot--2005, Nucleic Acids Res. 34(1), 1-9 (2006).	
		NCBI, General Identification No. 26248686, Welch R.A. et al., Proc. Natl. Acad. Sci. U.S.A. 99 (26), 17020-17024 (2002) Extensive mosaic structure revealed by the	
		NCBI, General Identification No. 15832435, Hayashi, T. et al., DNA Res. 8(1), 11-22 (2001), Complete genome sequence of enterohemorrhagic Escherichia coli	

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		NCBI, General Identification No. 16129376, Riley, M. et al., Escherichia coli K-12: a cooperatively developed annotation snapshot--2005, Nucleic Acids Res. 34(1), 1-9 (2006).	
		NCBI, General Identification No. 26247703, Welch R.A. et al., Proc. Natl. Acad. Sci. U.S.A. 99 (26), 17020-17024 (2002) Extensive mosaic structure revealed by the	
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		NCBI, General Identification No. 15804128, Perna, N.T. et al., Genome sequence of enterohemorrhagic Escherichia coli 0157:H7 Nature 409 (6819), 529-533 (2001).	
		NCBI, General Identification No. 90111619, Riley, M. et al., Escherichia coli K-12: a cooperatively developed annotation snapshot--2005, Nucleic Acids Res. 34(1), 1-9 (2006).	
		NCBI, General Identification No. 26250230, Welch R.A. et al., Proc. Natl. Acad. Sci. U.S.A. 99 (26), 17020-17024 (2002) Extensive mosaic structure revealed by the	
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		NCBI, General Identification No. 16129804, Riley, M. et al., Escherichia coli K-12: a cooperatively developed annotation snapshot--2005, Nucleic Acids Res. 34(1), 1-9 (2006).	

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Sheet 8	of 9	Attorney Docket Number	CL2180 US NA

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		NCBI, General Identification No. 26248116, Welch R.A. et al., Proc. Natl. Acad. Scii. U.S.A. 99 (26), 17020-17024 (2002) Extensive mosaic structure revealed by the	
		NCBI, General Identification No. 15804515, Perna, N.T. et al., Genome sequence of enterohemorrhagic Escherichia coli 0157:H7 Nature 409 (6819), 529-533 (2001).	
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		Application Number	10/680,286
		Filing Date	OCTOBER 6, 2003
		First Named Inventor	MARQUERITE CERVIN
		Art Unit	1652
		Examiner Name	I.H. CHOWDHURY
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		T. HESTERKAMP ET AL., A Reporter Gene Assay for Inhibitors..., J. Mol. Microbiol. Biotechnol, 1999, 1(2): 309-317.	
		D. W. SAFFEN ET AL., Sugar Transport by the Bacterial, Journal of Biological Chemistry, Vol. 262, No. 33, Issue Nov. 25, pp. 16241-16253, 1987.	✓
		YEA-TYNG YANG, Metabolic Flux Analysis of Escherichia coil....., Metabolic Engineering Vol. 1, 26-34, 1999.	
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		S. TÖTEMEYER ET AL., From famine to feast: the role of methylglyoxal...., Molecular Microbiology 27(3) 553-562, 1998.	
		C. BAUSCH ET AL., Sequence Analysis of the GntII (Subsidiary) System for Gluconate....., Journal of Bacteriology, July 1998, Vol. 180, No. 14, p. 3704-3710.	
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		N. E. ALTARAS ET AL., Metabolic Engineering of a 1,2-Propanediol..., Applied & Environmental Microbiology, Mar. 1999, Vol. 65, No. 3, p. 1180-1185.	

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